



2131

Docket No.: 614,1897-C/AMC

UNITED STATES PATENT AND TRADEMARK OFFICE

#5/B

10-16-01

In re the Application of:

Takeshi KUBO, et al.

Serial No.: 09/835,128 (Continuation of 09/084,323):

Filed: April 16, 2001

Group Art Unit: 2131

Examiner: unassigned

For: **AUTHENTICATION APPARATUS, USER AUTHENTICATION METHOD, USER AUTHENTICATION CARD AND STORAGE**

**PRELIMINARY AMENDMENT**

**RECEIVED**

Assistant Commissioner of Patents  
Washington, D.C. 20231

AUG 17 2001

Sir:

Technology Center 2100

This is responsive to the continuation application and Preliminary Amendment filed on April 16, 2001. Before examination of the above-identified application, please amend the application as follows:

The following remarks are respectfully submitted.

**IN THE CLAIMS:**

1. An authentication apparatus comprising:  
a touch sensor detecting a plurality of coordinates, input via a specifying member which specifies a plurality of discontinuous different coordinates;  
a comparing unit comparing the plurality of detected coordinates and a plurality of registered coordinates and outputting a compared result; and  
an authentication unit carrying out an authentication based on the compared result.
2. An authentication apparatus, comprising:  
a touch sensor detecting a plurality of coordinates, input by a pointing device, via a specifying member which specifies a plurality of discontinuous different coordinates;  
a comparing unit comparing the plurality of the detected coordinates and a plurality of registered coordinates and outputting a compared result; and  
an authentication unit carrying out an authentication based on the compared result.